PROOF OF PERFORMANCE MEASUREMENTS

Call Letters

Partnership, Company or
Corporate Name

City State Zip

Date

CONTENTS

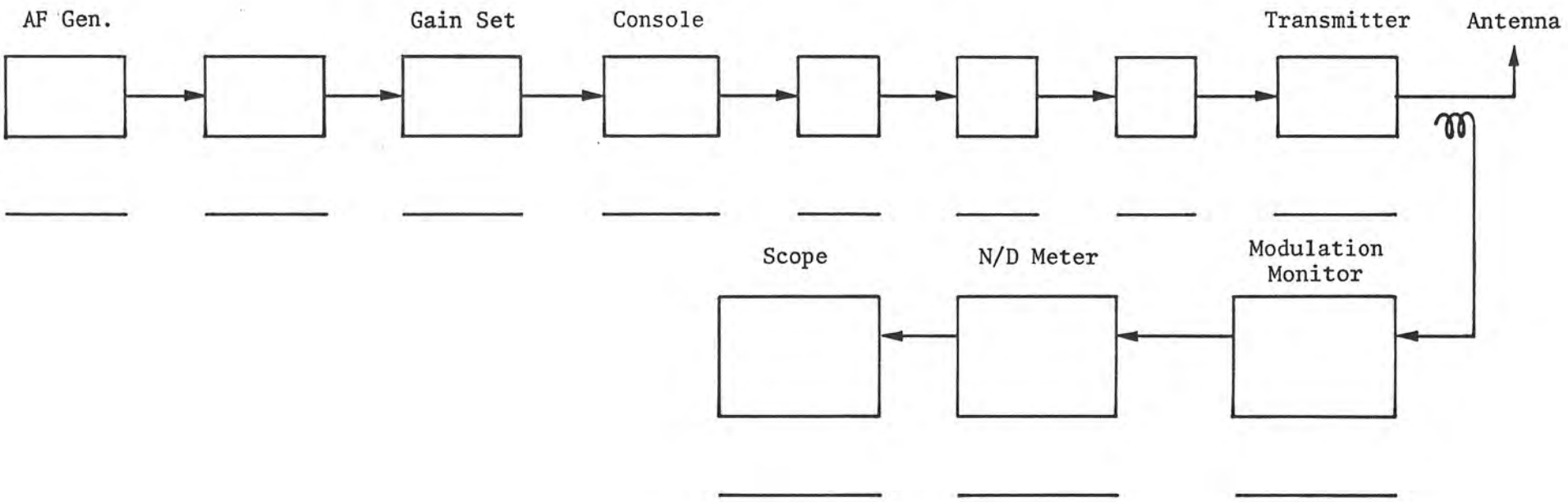
ENGINEER'S STATEMENT

This is to certify that the data contained within this Proof of Performance report is as factual and accurate as the present state of the art permits. It is further attested that the measurements were conducted on the _____ day of _____, 19__, using the broadcast facilities of _____, _____, between the hours of _____ and _____ in accordance with the applicable rules and regulations.

Engineer _____

License number _____

Expires _____



EQUIPMENT LIST

ITEM	MAKE	TYPE	SERIAL/CALIBRATION
AUDIO GEN			
GAIN SET			
MOD. MONITOR			
N/D METER			
SCOPE			

PROCEDURE

System gain was maintained as used in normal programming. Any AGC, Limiter, or Clipper circuits were either disabled or patched out.

A 10 dB correction factor was used to allow for the sine vs. complex peak difference. The mic input level was approximately -50 dBm.

Standard good engineering practices were used in making the tests. The last calibration date for each piece of test gear is listed on page 3. Therefore, the data contained herein is believed to be quite accurate.

Distortion measurements were made at the applicable modulation level, ie: 25%, 100% etc. Response is listed as a departure from the ideal directly in dB.

Measurements were made with the monitors located at the transmitter site and not using the studio RF amplifier where employed.

SYSTEM RESPONSE DATA (FM)

100% MODULATION

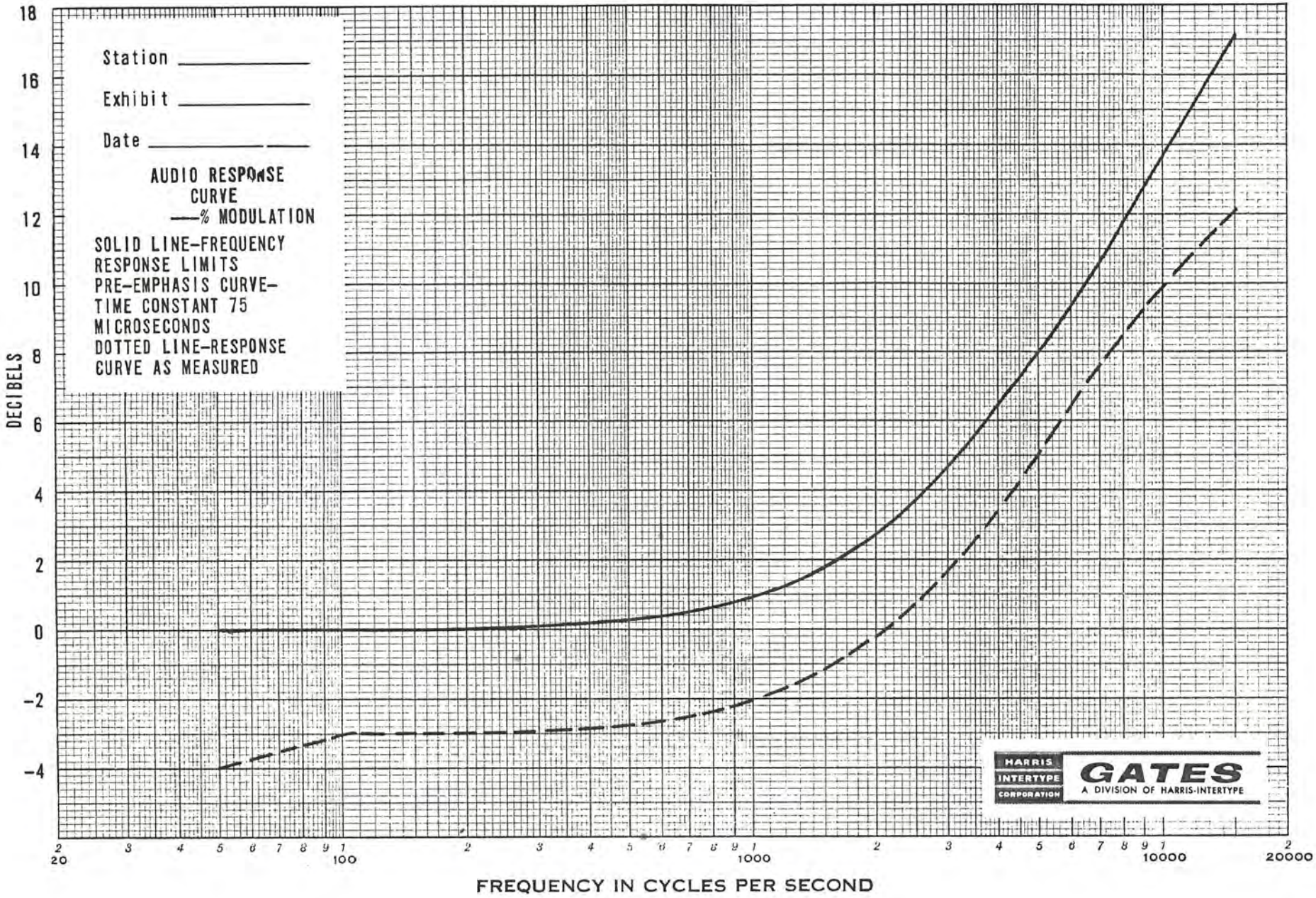
FREQ.	LEFT	RIGHT	MONO
50			
100			
400			
1000			
2500			
5000			
7500			
10000			
15000			

50% MODULATION

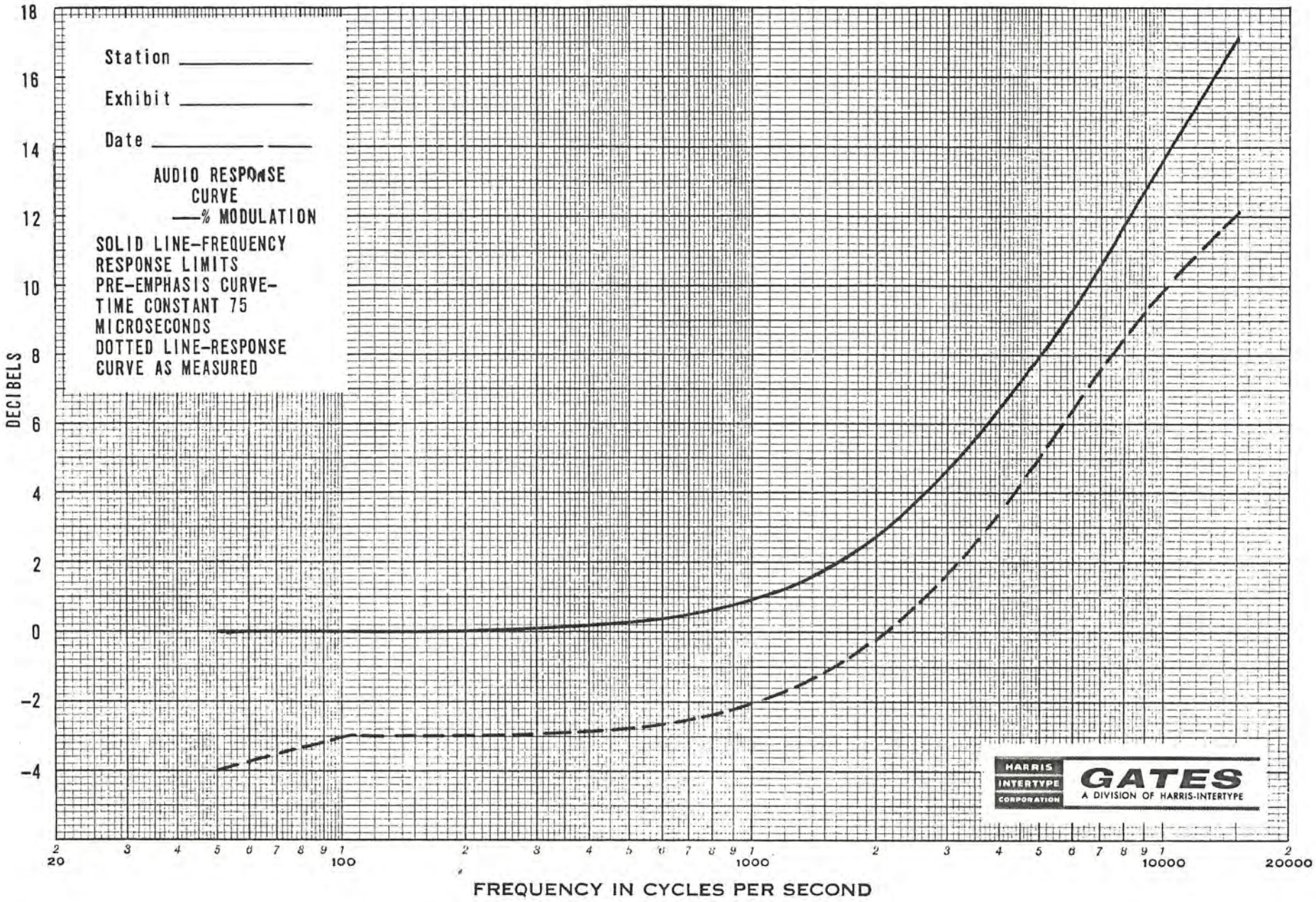
50			
100			
400			
1000			
2500			
5000			
7500			
10000			
15000			

25% MODULATION

50			
100			
400			
1000			
2500			
5000			
7500			
10000			
15000			



(7)



SYSTEM DISTORTION (FM)

100% Modulation

FREQ.	LEFT	RIGHT	MONO	FCC LIMIT
50				3.5%
100				3.5
400				2.5
1000				2.5
5000				2.5
7500				3.0
10000				3.0
15000				3.0

50% Modulation

50				3.5
100				3.5
400				2.5
1000				2.5
5000				2.5
7500				Is Not Required
10000				Is Not Required
15000				Is Not Required

25% Modulation

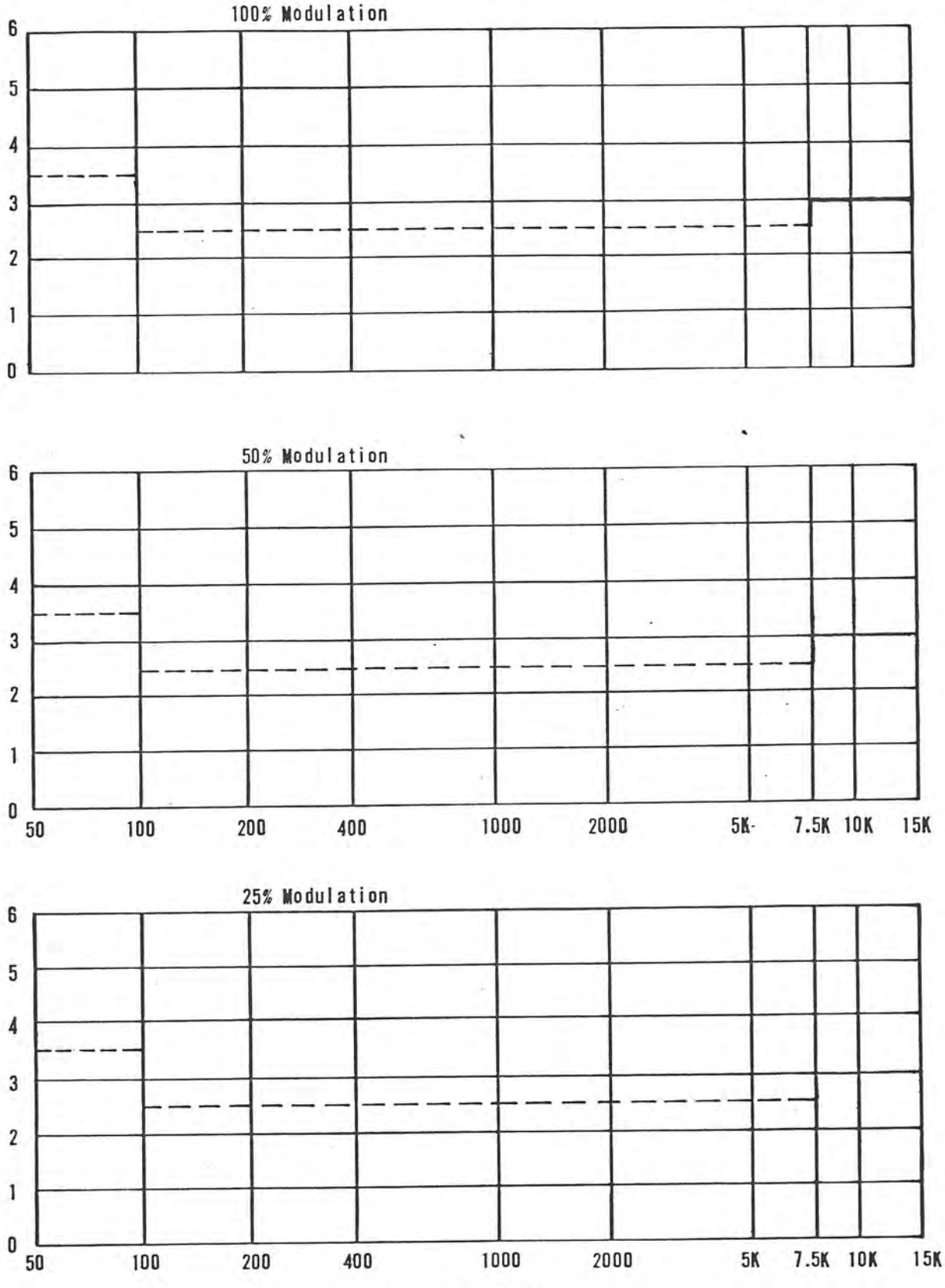
50				3.5
100				3.5
400				2.5
1000				2.5
5000				2.5
7500				Is Not Required
10000				Is Not Required
15000				Is Not Required

STATION_____

Exhibit No._____

Date_____

DISTORTION IN PERCENT



Hz. per second

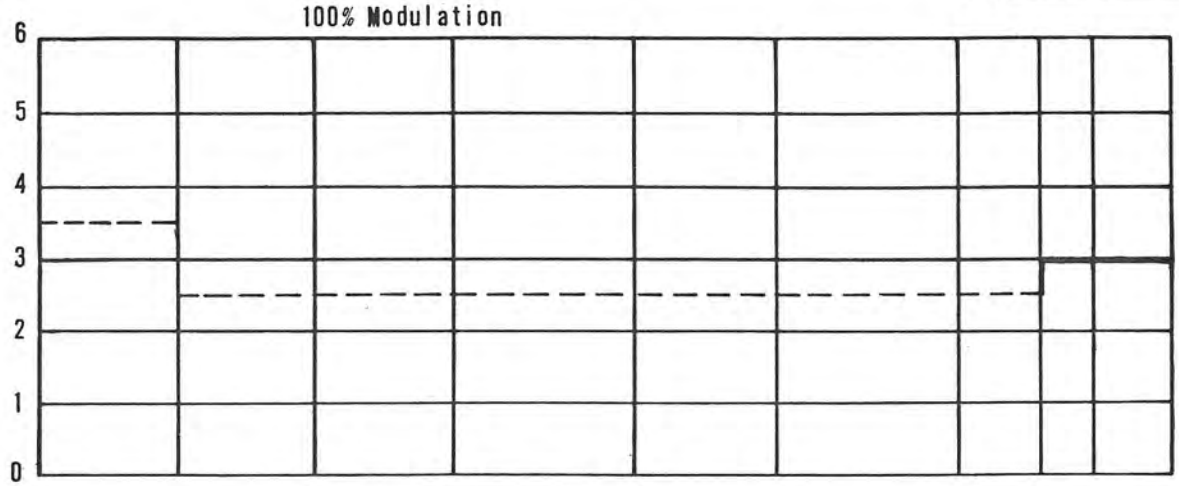
STATION_____

Exhibit No._____

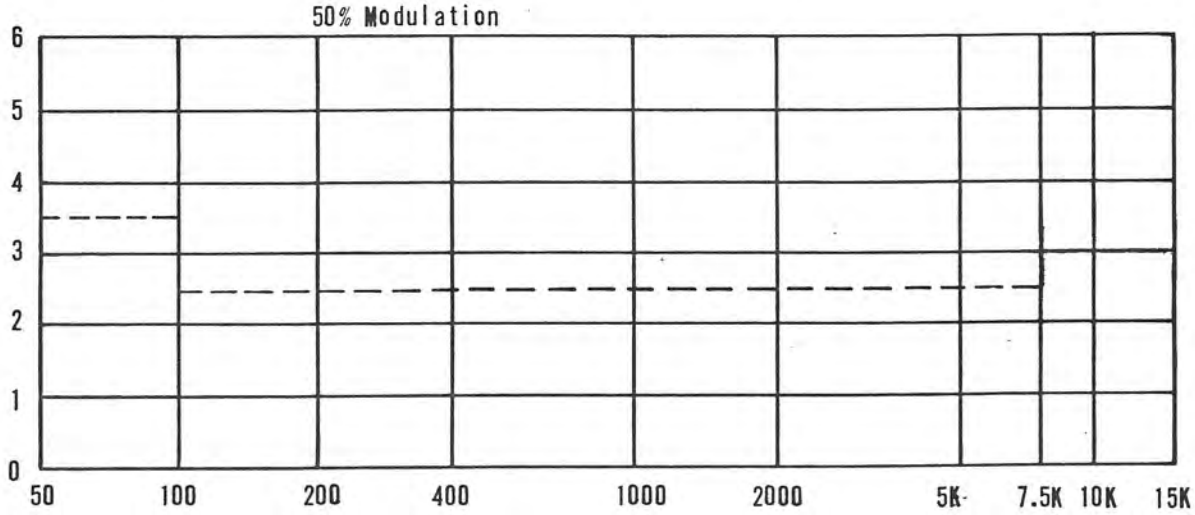
Date_____

DISTORTION IN PERCENT

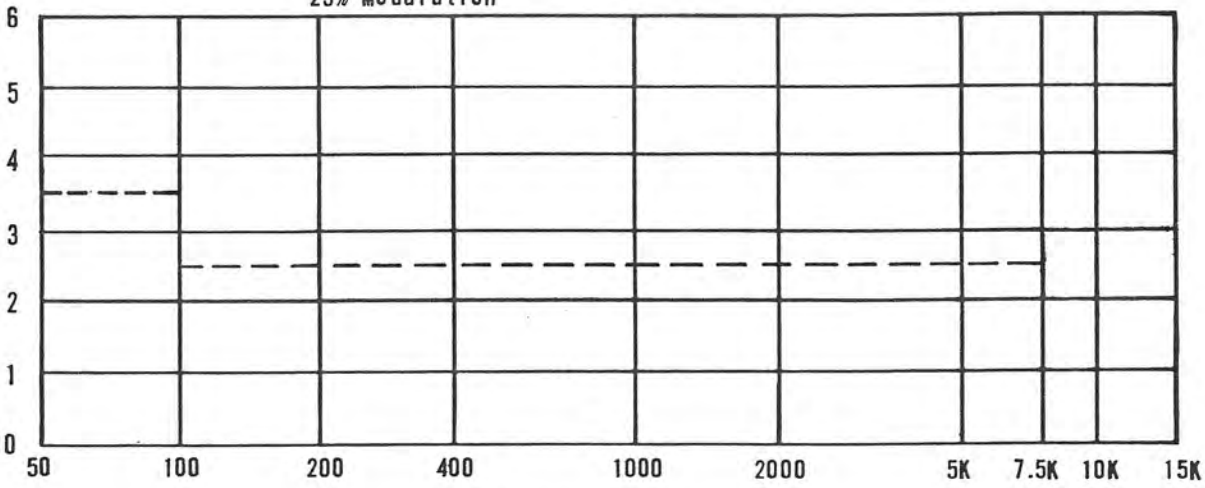
100% Modulation



50% Modulation



25% Modulation



Hz. per second

SYSTEM NOISE

MONO IS _____dB below 100% level

LEFT STEREO IS _____dB below 100% level

RIGHT STEREO IS _____dB below 100% level

FCC LIMIT IS _____dB 50-15,000 Hz.

AM NOISE

DIODE VOLTAGE IS _____Vdc

Vdc times 1.414 (equivalent 100% AM Modulation) is _____Vrms

Measured AM rms voltage from diode unit is _____Vrms

If noise is -20 log E1/E2

Then the AM Noise is -_____dB

FCC Limit Is -50 dB 50-15000 Hz with 75usec de-emphasis

OTHER DATA: